

COURSE DESCRIPTIONS

ST. JOHNS RIVER STATE COLLEGE

Courses in this catalog are grouped under applicable department headings and are listed in alphanumeric order. The term “credit” as used in reference to courses is semester hour credit where one college credit is based on the learning expected from the equivalent of one hour of classroom instruction per week for 15 weeks (full term). It means credit towards a degree from the College, and does not necessarily mean credit transferable to another institution. The designation (3 Credits – 3 Hours) after a course is indicative of a 3 credit hour course that meets for the equivalent of 3 hours per week (full term). Not all courses are offered in all terms or at all campuses. For current offerings, consult the list of credit courses available prior to registration each term at SJRstate.edu/courses. Courses offered by the Florida School of the Arts are described in the portion of this catalog devoted to the Florida School of the Arts on page 253.

- ✚ Lab fee is not required if course is taken online
- ✚ Examination fee requirements
- ◆ Meets A.A. degree requirements

BACHELOR OF APPLIED SCIENCE IN INFORMATION SYSTEMS TECHNOLOGY

CAP 3104

Human-Computer Interactions

(3 credits - 3 hours)

In this course, students learn the foundational concepts of Human-Computer Interaction (HCI), including human-centered design principles and interaction, modalities, design guidelines and heuristics, and interface evaluation techniques.

CIS 3080

Introduction to Cloud Computing

(3 credits - 3 hours)

This course provides a comprehensive overview of the cloud infrastructure and services and their underlying management mechanisms including data center virtualization and networking, cloud security and reliability, big data analytics, scientific, and commercial application.

CIS 3360

Principles of Information Security

(3 credits - 3 hours)

This course provides an introduction and overview of security issues for organizational and institutional computing. Physical, software, and computing systems security will be discussed. Students will be required to perform introductory security analyses, write code to automate some security preparedness tasks, and set up a protection scheme for a simple PC computer.

CIS 3523C

Managing IT Projects

(3 credits - 4 hours)

This course provides an overview of the tools and concepts needed to lead an information technology project team using the methodology phases: define, measure, analyze, improve and control. The course provides understanding in how to implement, perform, interpret, and apply the concepts.

CIS 3641C

Cloud Development Essentials

(3 credits - 4 hours)

Prerequisite: CIS 3080 with a “C” or higher. This course is designed to help students gain technical expertise in development with cloud technologies. Throughout the course, students will explore scenarios that provide opportunities to build a variety of infrastructures through the use of cloud

developer technologies. Students will build apps through code driven languages and secure them in a cloud environment. In addition, students will use functions, containers, and application program interfaces to build cloud solutions.

CIS 4356

Information Security and Risk Management

(3 credits - 3 hours)

This course provides an in-depth examination of how to manage and reduce IT-associated risks. The course provides an overview of risk management and its implications on IT infrastructures.

CIS 4365

Computer Security Policies and Disaster Preparedness

(3 credits - 3 hours)

When an organization’s function is interrupted by disasters, accidents, or natural events, a loss of data and/or productivity may occur. The impact on the organization is determined by how prepared it is for dealing with these disruptions. This course provides a foundation in formulating computer security policies, and preparing a disaster recovery/business continuity plan.

CIS 4651C

Cloud Deployment and Operations

(3 credits - 4 hours)

Prerequisite: CIS 3641C with a “C” or higher. This course covers a flexible collection of software and programmatic delivery practices for cloud infrastructures. Students will learn how software and tools can improve deployment speed, consistency, and reliability by orchestrating cloud services and automated, repeatable cloud deployments. Topics cover but are not limited to infrastructure as a code (IAC), continuous integration/continuous delivery (CI/CD), and artificial intelligence/machine learning (AI/ML) deployments via cloud services for forecasting, data analytics, computer vision, and natural language processing (NLP).

CIS 4950

Senior Capstone Project or Internship

(3 credits - 3 hours)

Prerequisite: Permission of the Dean. This course is designed for students preparing to graduate. Students will be required to demonstrate their knowledge and skills applicable to their degree core competencies and outcomes. The course provides a cooperative work experience opportunity, or a directed project learning activity related to the student’s academic major.

CNT 3408

Enterprise Security

(3 credit - 3 hours)

Prerequisite: CIS 3360 with a “C” or higher. This course covers the issues of providing computer security in an enterprise environment. Students will learn the threats to any enterprise and how to properly address these threats with an appropriate response.

CNT 4514

Wireless and Mobile Computing

(3 credits - 3 hours)

Prerequisite: CIS 3360 with a “C” or higher. Students will study wireless and emerging network technologies. They will examine the effects of mobility on network issues such as architecture, security, privacy, file systems, resource discovery, resource management (including energy usage), personal online identities, and other areas. Students will acquire hands-on experience with mobile and sensor platforms using Wi-Fi analyzers and Wireless scanners.

CNT 4704C**Advanced Network Traffic Analysis**

(3 credits - 4 hours)

Prerequisite: CET 2610C with a "C" or higher. Students explore, define, implement, and troubleshoot advanced information technologies that relate to networking. Students concentrate on researching, presenting, and developing skills related to these technologies.

COP 3703**Database Design and Architecture**

(3 credits - 3 hours)

This course is an in-depth study of Database Management Systems. The course focuses on the relational database which is the most common model used by businesses. The key topics include an overview of database systems, database design, the relational model, physical design, indexing, transaction management, concurrency management, recovery, and tuning. In addition, some non-relational topics will be addressed such as data warehousing, decision support, and data mining databases.

COP 3538**Data Structures for IT**

(3 credits - 3 hours)

Prerequisite: COP 2551 with a "C" or higher. The course formalizes the concepts of algorithm and time complexity. Data structures, such as Heaps, lists, queues, stacks and various forms of trees are covered. Students design and analyze algorithms, and numerous classic algorithms are covered.

COP 4655C**Mobile Application Development**

(3 credits - 4 hours)

Prerequisite: COP 2551 with a "C" or higher. The course covers development techniques for mobile devices with a concentration on current technology, including current frameworks and tools. The course covers the components for mobile device applications including user interfaces, data persistence, application packaging, various sensors including location, API access, ADS, permissions, and push notifications. A project will provide the opportunity to apply learned knowledge to a working mobile application.

COP 4813**Web Application Programming**

(3 credits - 3 hours)

Prerequisite: COP 2360 with a "C" or higher. This course introduces students to advanced concepts in the creation of applications utilizing the Web. Students will be exposed to topics such as client-server communications, dynamic data presentation, software design, planning and architecture. Students will get knowledge and practice in designing applications which utilize Web technology created using enterprise level programming languages and tools.

CTS 4457**Data Visualization and Communications**

(3 credits - 3 hours)

During the first half of the course, students will learn how to make more effective visualizations of data. Students will gain deeper insight into the data and learn how to better communicate that insight to others. Students will learn new ways to display data, applying some fundamentals principles of design and human cognition to choose the most effective way to display different kinds of data. In the second half of the course, students will focus on storytelling, learning how to turn complex data into a visual story.

ISM 3321**Cybersecurity Fundamentals**

(3 credits - 3 hours)

Prerequisite: CET 2610C or 2660C with a grade of "C" or higher. The course covers the management of information security problems, including attack methods, detection, and prevention techniques, cryptography, firewalls, and intrusion detection systems, security policies and risk management and incident response.

ISM 4322C**Advanced Cybersecurity**

(3 credits - 4 hours)

Prerequisite: ISM 3321 with a "C" or higher. This course covers the advanced knowledge and awareness of cybersecurity. The content of the course focuses on web attacks, wireless network defense, session hijacking, mobile device security, and internet of things (IOT) vulnerabilities. It includes the prevention of infrastructure security threats and developing control methods for secure system implementations.

**BACHELOR OF APPLIED SCIENCE
IN ORGANIZATIONAL MANAGEMENT**

BAS specialized courses are not offered every semester; refer to rotation for availability. MAN 4900 has to be completed in the student's final semester. GEB 3213 is a prerequisite for all 4000-level courses. The first semester the student takes 3000 or 4000 level courses, the student must also take GEB 3213.

BUL 3130**Legal, Ethical and Social Aspects of Business**

(3 Credits - 3 Hours)

This course explores the nature of legal, ethical, and societal environments of business. Emphasis is placed on social, legal, political, and ethical responsibilities to both external and internal groups in business. Topics include corporate social responsibility, legal, political and ethical aspects of business, state and federal laws, contracts, intellectual property, employment law, product liability, safety issues, and environmental regulation.

CGS 4362**Organization and Information Technology Systems**

(3 Credits - 3 Hours)

Prerequisites: GEB 3213, CGS 1100, and MAN 3240 with a grade of "C" or higher. This course provides students with an understanding and practical application in the use of electronic information systems, including organizational management of such systems. Topics will include management software, data collection, analysis, reporting and distribution, and processes for evaluating software and hardware to determine what will meet the varying needs of the organization.

FIN 3400**Financial Management**

(3 Credits - 3 Hours)

Prerequisites: ACG 2021C, ACG 2071, and ECO 2013 or ECO 2023 with a grade of "C" or higher. This is an introductory course in managerial finance in which the students gain a clear, basic understanding of the fundamentals of finance and its related decision-making. The course will cover all elements of organizational finance including budget development, finance management, procurement, accounting and auditing. A key component of the course will be the student's preparation and presentation of an organizational budget.

GEB 3113**Entrepreneurship**

(3 Credits - 3 Hours)

The purpose of this course is to provide an overview of the range of skills and practical knowledge needed to plan and execute an entrepreneurial venture. Topics for discussion include creativity and innovation, desirable entrepreneurial attributes, business planning, small business strategy, accounting and financial tools, and global entrepreneurship.

GEB 3213**Advanced Business Communications**

(3 Credits - 3 Hours)

Prerequisite: ENC 1102 and CGS 1100 with a grade of "C" or higher. This course is required prior to taking 4000-level classes. This course emphasizes the basics of business writing while reviewing the various kinds of written business correspondence. Students are expected to integrate business decision making and analytical thinking skills into the content. Students

must be able to determine solutions to problem-based exercises.

GEB 4891

Strategic Management and Decision Making

(3 Credits - 3 Hours)

Prerequisites: GEB 3213, MAN 2021, STA 2023, and MAN 3353 with a grade of "C" or higher. This course emphasizes strategic planning and strategy implementation in an organization. Students learn how to perform internal and external audits, identify problems, formulate goals and objectives, develop action plans, and evaluate the effectiveness of the outcome of the plan. Case studies are used to promote decision-making abilities.

HSA 3110

Health Administration

(3 Credits - 3 Hours)

This course provides an introduction to the principles of health services administration. Emphasis is placed on health policy, planning, marketing, current health problems, personal health care services, bioethical decisions, and personnel. Contemporary issues and principles of health services administration, and the effects of shifts of economic, social, political, and technological forces that merge and coalesce to meet or fail to meet the changing health care and medical needs in the United States.

HSA 3113

U.S. Health Care Systems

(3 Credits - 3 Hours)

An overview of the varied types of health care facilities and health delivery systems operating in the United States, their purpose, organization, need in society, general function, and staffing. Facilities such as hospitals, nursing and rehabilitation centers, health maintenance organizations, private and public outpatient clinics, and neighborhood health care centers are analyzed and discussed.

HSA 3150

Health Care Policy

(3 Credits - 3 Hours)

This course provides students with an overview of health care policy in the United States. The course includes major health care legislation with special emphasis on the critical role of health care managers in policy making.

HSA 3191

Health Care Informatics

(3 Credits - 3 Hours)

A study of health information systems with focus on analysis of applications for information systems in the health care delivery system. Emphasis will be placed upon skills necessary to employ the methods used to evaluate a variety of information systems applications in the health care setting.

HSA 4170

Health Care Finance

(3 Credits - 3 Hours)

Prerequisites: GEB 3213, ACG 2021C, and HSA 3110 with a grade of "C" or higher. This course will familiarize students with financial management, one of the primary responsibilities of health care managers. The course will prepare students entering middle management to be more effective and efficient in achieving the institution's goals.

HSA 4383

Continuous Quality Improvement/Risk Management Systems

(3 Credits - 3 Hours)

Prerequisites: GEB 3213 and HSA 3113 with a grade of "C" or higher. The students will examine current efforts to improve quality and efficiency of health care systems. Topics range from issues of medical error reduction, quality improvements in medical records, and utilization review, to models for continuous quality improvement in physician-health care worker-client relations.

HSA 4430

Health Care Economics

(3 Credits - 3 Hours)

Prerequisites: GEB 3213 and HSA 3110 with a grade of "C" or higher. The students will examine the macro and microeconomic perspectives of health care including the production, marketing, distribution, pricing, and relative measures of quality health care as it is delivered. Health care as a public and private good will be examined contrasting and comparing private market delivery and pricing systems with the more socialistic approaches in many countries. Health care agencies and programs (Medicare, Medicaid, HMOs, PPOs, etc.) and topics such as the principle-agent problem, moral hazard, and information problems on the demand side will be examined. On the supply side, issues such as managed care organizations, third-party payers systems, medical schooling, and malpractice insurance will be addressed. At the macro level, the course will examine the impact of health care practices on inflation, productivity, and the implications of an aging population on the national economy.

ISM 3321

Cybersecurity Fundamentals

(3 Credits - 3 Hours)

Prerequisite: GEB 3213 with a grade of "C" or higher. The course covers the management of information security problems including attack methods, detection and prevention techniques, cryptography, firewalls, and intrusion detection systems, security policies and risk management, and incident response.

ISM 4011

Information Systems Management

(3 Credits - 3 Hours)

Prerequisites: GEB 3213, CGS 1100 and MAN 3240 with a grade of "C" or higher. This course designed to prepare students in the use of information technology in the business environment. Emphasis is placed on relationships of management information systems and data processing to managerial decision-making in modern organizations. Software applications will be used for data collection and analysis in real-world decision making and problem solving.

MAN 3240

Organizational Behavior

(3 Credits - 3 Hours)

This course is a study of individual and group behavior in organizations. Students will develop an understanding of how organizations can be managed more effectively. Course content includes motivation, group dynamics, conflict resolution, goal setting and rewards, job design, work stress, power/politics, and organizational change and development.

MAN 3353

Management Theory and Practices

(3 Credits - 3 Hours)

This course examines management theory, relevant applications and cases, self-management, teamwork, global awareness, and communication for the development of management competencies.

MAN 4120

Leadership and Group Dynamics

(3 Credits - 3 Hours)

Prerequisites: GEB 3213 and MAN 3240 with a grade of "C" or higher. Discussion and application of leadership theories including skill formation to develop leadership abilities. Team building skills are emphasized to enhance leadership effectiveness. Students learn the importance of visioning in their organizations.

MAN 4162

Customer Relations for Managers

(3 Credits - 3 Hours)

Prerequisite: GEB 3213 with a grade of "C" or higher. This course examines relationship building for all customers of an organization. The impact of

culture and diversity on business relationships, successful negotiation strategies, and promotion of the organization through media relations are discussed.

MAN 4301

Human Resource Management

(3 Credits - 3 Hours)

Prerequisites: GEB 3213 and BUL 3130 with a grade of "C" or higher. This course is a study of the functions of human resource management including recruitment, selection, benefits and compensation, performance evaluation, development of employees, and formulation of human resource procedures. The strategic role of human resources and current issues will be discussed.

MAN 4504

Operational Decision Making

(3 Credits - 3 Hours)

Prerequisites: GEB 3213 and MAN 3353 with a grade of "C" or higher. This course focuses on operational decision-making management techniques to improve the process and productivity in organizations. Discussion of quality and outcomes, efficiency, forecasting, work-flow processes, inventory control, design of goods and services, waiting lines and critical path. Managing a project from beginning to end, including how to identify needs and define, assign and track items, is addressed.

MAN 4900

Capstone – Organizational Management

(3 Credits - 3 Hours)

Prerequisites: GEB 3213 and Senior standing or permission of the Program Director. This course focuses on the integration of knowledge, skills and abilities learned in the program through a capstone project. Students can choose an internship or course-based option.

BACHELOR OF SCIENCE IN EARLY CHILDHOOD EDUCATION

Note: Students enrolling in the Bachelor of Science in Early Childhood Education must be cleared by a school board background check before the end of the add-drop period prior to entering the first course. Field exposure in school settings from K-3rd grade provides students enrolled in this program with the understanding of the expectations and responsibilities of public school teachers in a K-3rd grade setting. Courses assigned which require field experience/observation hours are noted in the course description. Students will be assigned to a classroom setting designated by the Office of Teacher Education in the district of their choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

EDF 3214

Human Development & Learning

(3 Credits - 3 Hours)

This course covers the various stages of human development, learning theories, and the application to teaching/learning situations. Identification and analysis of students' academic, physical, cognitive, emotional, motivational, and social development is emphasized with a focus on the interaction between the role of the teacher and the needs and learning styles of his or her students.

EDF 3430

Measurement, Evaluation, & Assessment in Education

(2 Credits - 2 Hours)

This course explores the basic concepts of educational measurement, instructional objectives, and student assessment techniques. Teacher candidates will learn how to strengthen the learning process through classroom assessment techniques, the interpretation of standardized tests, and evaluation of student progress using measurement results.

EDF 4444

Assessment of Learning and Behavior

(3 Credits - 3 Hours)

This course is for Recertification/Certification purposes. Students must submit a copy of their Temporary/Professional Teaching Certificate or valid

Statement of Eligibility. Please contact the Teacher Education Department before registering for this course at 386-312-4242. This course is designed to help teachers develop high quality assessment instruments for use in the classroom. Teachers will attain a knowledge of planning for assessment, testing validity and reliability, as well as distinguish the difference between norm referenced and criterion-referenced testing. Students will also learn to interpret student assessment data to identify gaps in student learning and measure student learning gains. The course will assist teachers in gaining the concepts and skills related to planning, development, administering, and interpreting assessments.

EDG 3620

Curriculum & Instruction

(3 Credits - 3 Hours)

This course is an introduction to the field of curriculum and instruction. Teacher candidates will understand the principles of curriculum development and the use of instructional strategies. The foundation of this course will include the development, implementation, and evaluation of lesson plans appropriate to the specific ability level of the intended audience.

EDG 4343

Instructional Strategies

(3 Credits - 3 Hours)

This course is for Recertification/Certification purposes. Students must submit a copy of their Temporary/Professional Teaching Certificate or valid Statement of Eligibility. Please contact the Teacher Education Department before registering for this course at 386-312-4242. This course will provide the guidance and tools to design, teach, and reflect on classroom lessons and units using instructional strategies as a process for making teaching decisions. This course provides a setting to discuss the challenges you will face in the classroom.

EDG 4410

Classroom Management & Communication

(3 Credits - 3 Hours)

This course provides strategies for creating a safe and stimulating learning environment that encourages positive social interaction and effective communication among members of the learning community. Emphasis is placed on attitudes, language patterns, values, and behaviors to support and maintain student learning as well as on-task behavior. Additionally, this course includes methods and strategies for consulting with other school professionals and the child's family unit.

EDG 4419

Building Classroom Management and Discipline

(3 Credits - 3 Hours)

This course is for Recertification/Certification purposes. Students must submit a copy of their Temporary/Professional Teaching Certificate or valid Statement of Eligibility. Please contact the Teacher Education Department before registering for this course at 386-312-4242. This course focuses on principles and strategies for developing and maintaining an effective classroom environment for diverse learners. Strategies for whole class management as well as management of challenging behaviors will be explored. This course includes students' behavioral traits, teachers' obligations in discipline, organizing systems of management and a comprehensive review of outstanding strategies and tactics for effective classroom management and discipline. Participants will conduct an assessment on personal strengths and weaknesses in classroom management, as well as design a comprehensive classroom management plan.

EEC 3404

Child, Family, & Community Partnerships

(3 Credits - 3 Hours)

This course focuses on the varying cultural contexts of young children and the development of positive collaborative relationships between teachers and families. This course guides the development of a parent involvement plan that includes effective ways to communicate with parents, conference with parents, and plan parent meetings. Additionally, this course will facilitate the

development of and implementation of community involvement programs in early childhood settings.

EEC 4211

Integrated Mathematics & Science

(4 Credits - 4 Hours)

Prerequisite: EDG 3620. This course develops an understanding and integrated application of science and mathematical concepts for the appropriate stages of cognitive development of young children. Focus is given to exploring sequential math development, identifying how concepts are developed and acquired, and promoting the young children's concept development through problem solving and assessing the child's developmental level. Additional focus given to teaching science strategies using concept development, process of inquiry, planning for fundamental concepts in science including activities for young children at the appropriate stages of cognitive development, and utilizing appropriate current technology to support teaching and learning. This course includes a field experience component. This course requires fifteen (15) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

EEC 4212

Integrated Language Arts, Children's Literature, Social Sciences

(4 Credits - 4 Hours)

Prerequisite: EDG 3620. This course develops the foundations and integrated application of language/emergent literacy, children's literature, and social sciences for the appropriate stages of cognitive development of young children. Focus is given to exploring appropriate curriculum in language arts, children's literature, and humanities with an emphasis on how learning experiences are integrated throughout the curriculum. Additional focus given to teaching strategies and activities for young children while utilizing appropriate current technology to support teaching and learning. This course requires fifteen (15) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

EEC 4241

Integrated Music, Art, & Movement

(4 Credits - 4 Hours)

Prerequisite: EDG 3620. This course promotes the skills, concepts, creativity, and enjoyment in music, art, dramatic play, and movement to create expressive learning activities for young children. The role of the teacher includes instructional strategies for integration, assessment, and concept development to encourage growth and participation for all students. This course requires fifteen (15) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

EEC 4930

Senior Seminar

(2 Credits - 2 Hours)

Prerequisite: Senior Status. Corequisite: EEC 4940. This seminar course, taken concurrently with EEC 4940, will meet throughout the semester with the college intern supervisor to discuss teaching/learning issues.

EEC 4940

Student Internship

(8 Credits - 8 Hours)

Prerequisite: Senior Status. Corequisite: EEC 4930 and RED 4940. This course is a full day, full semester internship with placement in a primary grade (K-3rd) during which the teacher candidates demonstrate the ability to apply knowledge, skills, and dispositions in authentic situations under the direction of a certified classroom teacher and college supervisor in an approved setting. Teacher candidates will plan, implement, and evaluate

activities relevant to the classroom setting. Teacher candidates will be observed and evaluated by the college supervisor and classroom teacher. This course requires 12 weeks in a K-3 subject area classroom with no less than 300 hours of direct teaching instruction in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. Students will spend a minimum of 45 hours in direct reading instruction (included in the 12-week internship.) The internship is completed outside of the scheduled class meeting time.

EEX 3012

Educational Needs of Students with Exceptionalities

(3 Credits - 3 Hours)

This course provides an overview of students with specific educational needs and exceptionalities while focusing on characteristics, definitions, and prevalence of disabilities, the referral process, service delivery models, and the pedagogical approach of exceptional students. Teacher candidates will understand the history of, legal basis for, and contemporary issues in special education. Special attention will focus on the expectation that all students have learning strengths.

EEX 4034

Exceptional Learners in the Inclusive Classroom

(3 Credits - 3 Hours)

This course is for Recertification/Certification purposes. Students must submit a copy of their Temporary/Professional Teaching Certificate or valid Statement of Eligibility. Please contact the Teacher Education Department before registering for this course at 386-312-4242. This course is to introduce inclusive educators to the characteristics, evaluation and identification of students with exceptionalities. This course examines current issues, legislation, education reform, strategies and interventions in working with students with disabilities, as well as effective special education service models.

EEX 4604

Behavior Management for Special Needs & At-Risk Students

(3 Credits - 3 Hours)

Prerequisite: EEX 3012. This course covers the strategies and techniques necessary for managing the physical environment and behaviors of children with special needs. The emphasis of this course will focus on behavior management and consultation skills. Teacher candidates will apply knowledge to create and maintain an on-task, safe, and healthy learning environment for learning in the exceptional and inclusive classroom.

RED 3309

Early & Emergent Literacy

(3 Credits - 3 Hours)

This course will increase understanding of early literacy development and conditions, which promote total literacy from birth through lower elementary grades. Language theory and current research will shape informed practices regarding literacy development. Connections made among all aspects of literacy learning: reading, writing, listening, speaking, and attitude development. Additionally, this course explores and develops related activities to foster a balanced, positive, constructive attitude towards literacy in young children.

RED 4342

Foundations of Research Practice in Reading Education

(3 Credits - 3 Hours)

This course is for Recertification/Certification purposes. Student must submit a copy of their Temporary/Professional Teaching Certificate or valid Statement of Eligibility. Please contact the Teacher Education Department before registering for this course at 386-312-4242. This course provides an understanding of the principles of scientifically based research as the foundation of comprehensive instruction. This course teaches assessment of literacy development, language structure and function and cognition of phonemic awareness, phonics, fluency, vocabulary, and comprehension.

RED 4511 **Intermediate Literacy: Reading & Thinking**

(3 Credits - 3 Hours)

Prerequisite: RED 3309. This course combines the theory and practice in the teaching of reading/literacy in the elementary intermediate grades. Procedures for meeting individual differences, differentiated instruction, selected use of materials, and classroom organizations will be examined. This course requires thirty (30) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

RED 4519 **Diagnosis & Intervention in Reading**

(3 Credits - 3 Hours)

Prerequisite: RED 3309. This course provides diagnostic and instructional interventions in reading through formal and informal methods and materials used to identify reading strengths and weaknesses of students. Emphasis is placed on diagnosis of reading problems, administration of assessments, evaluation of results, and planning instructional interventions to remediate reading deficiencies. This course requires twenty (20) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

RED 4940 **Final Reading Practicum**

(3 Credits - 3 Hours)

Prerequisite: Senior Status. Corequisite: EEC 4940. This course is the supervised reading portion of the final internship to give clinical experience in reading for the pre-service teacher. This course provides clinical experience in increasing student reading performance through the utilization of appropriate strategies and materials. This course aligns to the Florida Reading Competencies, which include language development, cognition, research-proven best practices, and differentiated instructions. Teacher candidates will work directly with K-3 teachers and students in the public schools in large group, small group, and individual settings to connect all aspects of literacy instruction. This course requires forty-five (45) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The 45 hours of field experience is included in the 12-week internship in a K-3 area classroom with no less than 300 hours of direct teaching instruction. The field experience is completed outside of the scheduled class meeting time.

TSL 3080 **Principles & Practices of ESOL I**

(3 Credits - 3 Hours)

This course introduces issues, principles, theories, research, and best practices of teaching English to Speakers of Other Languages. The goal of this course is to develop the foundation of knowledge necessary to prepare educators to understand the concepts upon which second language acquisition are based in addition to the impact these concepts will have on instruction.

TSL 3083 **ESOL Issues and Strategies**

(3 Credits - 3 Hours)

This course is for Recertification/Certification purposes. Student must submit a copy of their Temporary/Professional Teaching Certificate or valid Statement of Eligibility. Please contact the Teacher Education Department before registering for this course at 386-312-4242. This course introduces instructional strategies for teaching students of limited English proficiency including instruction in the English language. The goal of this course is to develop the foundation of knowledge necessary to prepare educators to understand the concepts upon which second language acquisition are based in addition to the impact these concepts will have on instruction.

TSL 4081 **Principles & Practices of ESOL II**

(3 Credits - 3 Hours)

Prerequisite: TSL 3080. This course builds on TSL 3080 with the goal to link the theory and practice for effective teaching of ESOL (English Speakers of Other Languages). The course will emphasize methods, curriculum, and assessment of ESOL students. This course requires twenty (20) hours of field experience/observation in a classroom setting designated by the Office of Teacher Education in the district of the student's choice within the college's service area. The field experience is completed outside of the scheduled class meeting time.

BACHELOR OF SCIENCE IN CRIMINAL JUSTICE - APPLIED INTELLIGENCE STUDIES

CCJ 3081 **Combating Cybercrime**

(3 credits - 3 hours)

Cybercrime has been with us since the advent of the computer. However, as our reliance on computers and the internet of things (IoT) has grown, the amount of cyber-related crime and malfeasance has grown exponentially. Computers have allowed criminals to "scale-up" their reach and the consequences and financial gains of their plunders. Accordingly, every state and the federal government have enacted laws prohibiting unauthorized use of computers, and in recent years, governments have tried to harmonize these laws internationally.

CCJ 3484 **Ethics in Policing and Intelligence**

(3 credits - 3 hours)

This course explores ethics for both the criminal justice system and intelligence professionals. It will compare and contrast the differing roles ethics plays in policing and intelligence communities. The course probes significant past and current events to illuminate issues relevant to ethics in intelligence and policing.

CCJ 3621 **Patterns of Criminal Behavior**

(3 credits - 3 hours)

Review the nature and extent of the crime problem in America. The course concentrates on major patterns of offender behavior, including crimes of violence, property crimes, economic, syndicated, political crimes, and consensual crime.

CCJ 3691 **Sex Offenses and the Offender**

(3 credits - 3 hours)

Comprehensive overview of psychological, sociological, and legal issues related to sexual offenses. Additionally, the sexual offenders and different typologies of the sex offender will be addressed.

CCJ 4014 **Crime in America**

(3 credits - 3 hours)

Prerequisite: CJE 1006. A survey of crime and criminality in the United States, with an emphasis on crime data, its weaknesses, and types of criminal behavior.

CCJ 4032 **Crime and the Media**

(3 credits - 3 hours)

Relationship among media crimes, criminals, and the criminal justice system. Specifically, the impact of the media and media attention on the operations of the criminal justice system will be examined.

CCJ 4072**Crime Mapping and Analysis**

(3 credits - 3 hours)

This course is designed to introduce the student to crime mapping (coordinate tracking of criminal events and GIS) and crime analysis (the statistical evaluation of criminal events and criminal intelligence). The student will work with crime data, coordinate data, UCR data and gathered intelligence, to understand correct force deployment and response to crime, for crime-prevention and solvability. The student will also be introduced to serialized crime identification, recognition, and response.

CCJ 4644**White Collar Crime**

(3 credits - 3 hours)

An examination of both individual criminality in the course of one's occupation and the crimes of formal organizations and corporations. Attention will be placed on the nature of the societal reaction to these "upper class" illegalities.

CJE 3732**Criminal Intelligence**

(3 credits - 3 hours)

This course focuses on the production of intelligence from the analysis of multiple and diverse sources of information and on its use by formal and informal intelligence agencies. Emphasis is placed on the role of local public safety and security personnel and organizations as both producers and consumers of intelligence and on their relationship to the formal intelligence agencies.

CJE 4663**Crime Analysis I**

(3 credits - 3 hours)

An introductory course in the utilization of the computer in criminal justice agencies, including an overview of hardware and software components of general-purpose computer systems. No prior knowledge of any phase of data processing or computer science is assumed.

CJE 4692**Technology and Crime**

(3 credits - 3 hours)

This course will introduce the student to recent advances in technology that impact investigations and crime prevention. The course will examine strategic-level technologies such as databases, GIS systems, crime mapping by computer, etc. The course will examine ways in which technology assists law enforcement on a tactical level, through such innovations as in-car laptops, advanced communications devices, night-vision systems, etc. Students who lack a thorough background in computers will benefit from this course's overview of technology basics. While not a prerequisite, this course will provide a basis for a later course dealing with cyber-crime. Students will learn about the nationwide databases that share information, such as NCIC and AFIS, and how agencies are using database technology to combat the problems of fragmentation. Students will learn about geographic profiling and GIS systems, and their use on a strategic level.

CJE 4734**Intelligence Collection Strategies**

(3 credit - 3 hours)

Prerequisite: CJE 4663. This course examines the formal intelligence collection process with emphasis on open source and human intelligence. Students will become familiar with the process of developing comprehensive strategies to produce intelligence by satisfying levied requirements using a variety of intelligence sources available to local public safety and security personnel.

CJJ 3545**Social Problems of Youth**

(3 credits - 3 hours)

An overview of contemporary social issues of youth with special focus on the

influence of violence in schools, family violence and neglect, and general patterns of youth violence. Influence and effects of substance abuse are examined. The formation and impact of gangs, gang behavior and gang culture are analyzed.

CJL 4513**Forensic Analysis of Juries**

(3 credits - 3 hours)

This course will focus on the modern American jury and will include an in-depth analysis of current research related to jury selection, decision-making, and group dynamics.

BACHELOR OF SCIENCE IN NURSING**NUR 3065****Health Assessment**

(3 Credits)

Total Course Hours: Didactic 41.25 Hours; Lab 7.5 Hours

Prerequisite or corequisite: NUR 3805. This course focuses on a holistic approach to health assessment that builds on the assessment skills developed in the nurse's basic educational program. Emphasis is on assessment and analysis of self-care requisites to identify self-care deficits across the life span. Emphasis is on the process of patient interaction and use of appraisal skills in the collection of bio-psychosocial data across the life span and understanding the role of the professional nurse in analysis of health status data. The student is given opportunities to integrate theoretical knowledge into practice sessions using demonstration, medium and high fidelity simulation scenarios, deliberate practice, and reflection.

NUR 3125**Pathophysiology**

(3 Credits – 3 Hours)

Prerequisite or Corequisite NUR 3805. This course focuses on the study of pathological changes of the human body from normal to changed mechanical, physiological, and biochemical functions resulting from altered hemostasis, injury, or disease process. The course will emphasize how disrupting normal structures and functions of the human body leads to disease processes from the cellular to the multi-system level. Included is the critical examination of the mechanisms underlying signs and symptoms, complications, and prognosis of commonly occurring diseases across the lifespan.

NUR 3164**Informatics and Evidenced-Based Practice**

(3 Credits – 3 Hours)

Prerequisite/corequisite: NUR 3805. This course focuses on the integration of data, information, and knowledge through the use of information technologies to inform nursing practice. Students examine how informatics supports evidenced-based nursing practice that is safe and knowledge-based through the use of expanded access to clinical research findings and decision support tools for clinical practice. The course reviews nursing informatics theory, practice applications in care delivery and management, and emerging trends in informatics. Students are introduced to basic concepts of evidence-based practice, research processes, and critical appraisal of research and information. Legal and ethical issues in research and information utilization are explored.

NUR 3169**Applied Evidence-Based Practice in Professional Nursing Practice**

(3 Credits - 3 Hours)

Online - 45 Hours

Prerequisites: STA 2023 and NUR 3164 with a grade of "C" or higher. This course focuses on the application of evidence-based clinical and management practices to improve the delivery and outcomes of patient care in a variety of settings. Emphasized is the use of contemporary research to inform nursing management and clinical decisions. Establishment of individual evidence-based nursing management and clinical practices and career development are examined. The student will use evidence-based practice to solve current

healthcare management and clinical problems.

NUR 3655

Community, Diversity, and Population-Based Care

(3 Credits)

Total Course Hours: Didactic 30 Hours; Practice Experience 45 Hours

Prerequisite: NUR 3805. The focus of this course is community health nursing practices with families, aggregates, and communities. This course examines the social, economic, ethnic, and cultural influences on beliefs, values, and practices in relation to health, illness, and health-seeking behaviors. An emphasis is placed on epidemiology, population risk assessment, health promotion, risk reduction, chronic disease prevention, environmental health, vulnerable populations, contemporary health issues, and development of healthier individuals, aggregates, and communities. The role of the professional nurse in the provision of community and population-based care is explored.

NUR 3805

Professional Roles and Dimensions of Professional Nursing Practice

(3 Credits – 3 Hours)

Prerequisite: Admission to the Bachelor of Science in Nursing and ENC 1102. This introductory course is designed for the returning RN to facilitate the transition from the registered nurse's basic educational program to the baccalaureate level of practice. It includes an exploration of the evolution of nursing as a profession, the contemporary role of the professional nurse, and issues and theories related to professional nursing practice in dynamic healthcare environments for diverse populations. Professional writing, APA documentation, and presentations using PowerPoint are introduced. It is recommended that this course be taken first.

NUR 3826

Legal and Ethical Issues in Nursing

(3 Credits - 3 Hours)

Online - 45 Hours

Prerequisite: NUR 3805. This course explores theories, models, and principles of legal and ethical decision making in clinical and in management health care delivery situations in a variety of health care settings. Clinical and nursing management decision-making dilemmas are identified and analyzed toward refining critical thinking and advocacy on the part of the nurse. This course provides the student opportunities to utilize models, processes, and ethical and legal frameworks of decision making as a foundation for clinical and leadership practices.

NUR 3837

Introduction to Nursing Management Systems

(3 Credits – 3 Hours)

Prerequisite: NUR 3805. The purpose of this course is to introduce the foundations of healthcare policy, the financial structures of healthcare systems, and the accreditation and regulatory environments that have impact on nursing practice and patient care. Contemporary issues of healthcare management systems, the future of healthcare delivery, and the role of nursing to influence healthcare systems' decisions are explored. The student will examine healthcare systems that incorporate modern technology, evidence-based decision making, information and outcomes management, cost containment strategies, and the nursing core value of quality care. Topics will include financial, operational, regulatory, accreditation, quality management, and clinical aspects of management.

NUR 4894

Teaching and Learning in Nursing Practice

(3 Credits – 3 Hours)

Prerequisite: NUR 3805. This course focuses on the provision of instruction applicable to individuals across the lifespan and to small groups of learners in a variety of settings. Emphasis is placed on the supportive / educative role of the nurse to assess, develop, implement, and evaluate education related to health promotion, maintenance of wellness, disease prevention, disease management, and quality of life. Teaching and learning theories and concepts are integrated related to effective collaboration with healthcare

service organizations and communities, curriculum development, contemporary instructional strategies, challenges and barriers to learning, and cultural diversity.

NUR 4949

Nursing Capstone

(3 Credits)

Total Course Hours: Didactic 30 Hours; Practice Experience 45 Hours

Prerequisite: Director approval required. Previous or concurrent completion of the nine other BSN courses (NUR 3805, 3065, 3125, 3164, 3169, 3655, 3826, 3837 and 4894). The Capstone course integrates the academic and the practical knowledge acquired during the curriculum to further develop the student's application of the nursing process and critical reasoning in health promotion, risk reduction, direct and indirect care of patients, families, and aggregates in various healthcare settings. Emphasis is on resolving complex patient care problems, providing the human interface between healthcare systems and the patient, and on the professional nursing roles of care provider/coordinator, teacher, collaborator, manager and problem solver. This course includes a practicum to enhance the student's knowledge and expertise in areas of complex patient care and delivery and management. The practicum includes opportunities for scholarly inquiry, professional writing, collaboration, communication, and presentation. The student is required to demonstrate the competencies consistent with program outcomes.

BUSINESS

ACG 2021C

Principles of Financial Accounting ♦

(3 Credits - 4 Hours)

Prerequisite: MTB 1103, MAT 1033 or any general education math course with a grade of "C" or higher or satisfactory scores on the math placement exam at the college algebra level. The course is designed to familiarize the student with the theory, logic, and concepts used in financial accounting. Course content includes: journalizing, posting, preparing a trial balance, adjustments, corrections, and closing; preparation of the income statement, balance sheet, changes in owner's equity and cash flow statement; current assets, inventory, long-term assets and liabilities; corporate capital structure, retained earnings and financial statement analysis. Emphasis is placed on comprehension of accounting principles and concepts in addition to mastery of accounting skills.

ACG 2071

Principles of Managerial Accounting ♦

(3 Credits - 3 Hours)

Prerequisite: ACG 2021C with a grade of "C" or higher. This course is designed to familiarize the student with the theory, logic and concepts used in managerial accounting. Course content includes: job - order costing, process costing, cost-volume-profit relationships, departmental accounting, profit planning, standard costs, flexible budgets, decentralized operations, pricing, and capital budgeting decisions. Emphasis is placed on comprehension of managerial accounting principles and concepts in addition to mastery of accounting skills.

ACG 2450

Computer Accounting Applications

(3 Credits - 3 Hours)

Prerequisite: ACG 2021C. This course is designed to give students experience using a computerized accounting system to enhance knowledge gained in earlier accounting courses and prepare them for the job market. Students will gain practical knowledge in generating invoices, cash disbursements, cash receipts, inventory control, accounts payable journals, customer ledgers, vendor ledgers, job order costing, fixed asset depreciation, company set-ups, and internet accounting services.